Work Order ID 75075 October-17-11 10:49:35 AM				*75075*							Page 1		
Revision ID:)3294-1 > Bracket			Accept	*N900	<u>040</u>	100)* ፡	_		NS NS		
Start Date: 1 Required Date: 2 Reference:	7/10/2011 8/10/2011	Start Qty: 10.0 Req'd Qty: 10.0			Cust Item I Customer:	D:							
Approvals:	Process Pla	in: M.L.J	Date: _/]/ U	//7 Tooling:	Da	ate:		F			NR	1*	
	QC:		Date:	1	Da	ate:			St	top 🛨	NR	2*	
Sequence ID/ Work Center ID		Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reje Num		nsp. tamp	
Draw Nbr	Rev	ision Nbr											
D3294	Rev	С											
100		1		0.00									
100 Waterjet		Memo		0.00				_B11-	10-76	<u> </u>		***************************************	
FLOW CNC Waterjet		CUt File Dwg Rev Prog Rev *grain di	rection on a 45 deg as per	_						((U)		
		2-Deburr	if necessary IBI-	10-09									
110		QC2- Inspect parts of	machine FAI/FAIB	0.00									
*11 0 *		Mama		0.00				B11-1	0-7(

Dart Aerospac	e Ltd
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W/O:			WORK ORDER CHANGES											
DATE	STEP	PRO	PROCEDURE CHANGE					Approval Chief Eng / Prod Mgr	Approval QC Inspector					
Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Ye	s No	DQA:	Date: _	<u>. 1000</u>					
	R	esolution:	Dispositio	n:	QA: N/C	Close	d:	Date: _						
NCR:	1.400		WORK ORDER NON-CONFORMANCE (NCR)											
DATE	OTED	Description of NC			tion B	,	Verification	Approval	Approval					
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da	n &	Section C	Chief Eng	QC Inspector					

Work Order ID 75075 October-17-11 10:49:35 AM				*75075*							Page 2			
Item ID: Revision ID:	D3294-1				Accept	*N900	040	100				S1*		
Item Name:	Bracket							•		Sto	^p *N	S2*		
Start Date: Required Date: Reference:	17/10/2011 28/10/2011	Start Qty: 10.00 Req'd Qty: 10.00		*10* *10*		Cust Item ! Customer:	ID:					•		
Approvals:	Process Pla	ın:	Date:		Tooling:	D	ate:		F	Run Stai	!/	R1*		
• •			Date:_		_		ate:			Sto	*N	R2*		
Sequence ID/ Work Center II)	Operation Description			Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp		
120		QC8- Inspect parts - second	nd check		0.00									
120 QC Quality Control		Мето			0.00	1/10/28		(40					
130					0.00				<u>\</u>					
130									(10)					
Brake NC Brake NC		Memo 1-Deburr if n 2-Bend as pe (Ensure angle	r Dwg Ď329) 4	0.00	SB 11/12	113							
140		QC5- Inspect part comple	teness to ste	p on W/O	0.00									
140		Memo			o.oo & uli	2/13			(40))				

Dart	Aeros	pace	Ltd
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	=								•	3			
W/O:			WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CH	ANGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
	:												
Part No	:	PAR #:	Fault Cat	egory:	NCR: \	es N	lo DQA	:	_ Date: _				
		esolution:	Dispositi	on:	_ QA: N/	C Clos	sed:		Date:				
NCR:			WORK ORDER NON-CONFOR										
DATE	STEP	Description of NC	f NC Corrective Action				Verification			Approval			
DAIL	J.L.	Section A	Initial Chief Eng	Action Description Chief Eng	tion Sign & Date		Sectio	n C	Chief Eng	QC Inspector			

Work Order ID 75075 October-17-11 10:49:35 AM				*75075*								Page 3
Item ID: Revision ID:	D3294-1			Accept	*N900	040	100)*	Setup	Start	*NS	1*
Item Name:	Bracket									Stop	*NS	2*
Start Date:	17/10/2011	Start Qty: 10.00	*10*		Cust Item I	D:						
Required Date Reference:	: 28/10/2011	Req'd Qty: 10.00	*10*		Customer:							
Approvals:	Process Pla	an:	Date:	Tooling: _	Da	ate:			Run	Start	*NR	1*
	QC:		Date:	SPC (Y/N):	Da	ate:				Stop	*NR	2*
Sequence ID/ Work Center I	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	t Re Qt			isp.
150		Chemical Conversion Co	at per QSI005 4.1	0.00			,	,			, ,	
150 HandFinish Hand Finishing		Memo		0.00			/(DX G	8-4	M-A	/ /// t {	2/1.
160		QC3- Inspect Part Finish		0.00				12	R		. 0	
160 QC Quality Control		Мето		0.00				10	. <u>Di</u>	<u> </u>	12-13 .	
170				0.00				,		//	/ /	
170 Small Fab		Memo		0.00					(S)	11/10	2/14	10

1-Install D3294-5 doubler to D3294-3 bracket with rivets as per dwg. D3294

Small Fab

W/O:			V	ES								
DATE	STEP	PR	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
Part No	:	PAR #:	Fault Ca	tegory:	NCR: Yes	No DQA	: <u></u>	Date:				
			Disposit	ion:	QA: N/C CI	osed:		Date:	·			
NCR:			WORK OR	DER NON-CONFORMA	NCE (NCF	?)		,				
DATE	STEP	Description of NC	Corrective Action Section		Verifica	ation	Approval	Approval				
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	n Description Sign 8 Chief Eng Date			Chief Eng	QC Inspector			
				·		,						

Work Order ID 75075 October-17-11 10:49:35 AM			*75075*							Page 4			
Item ID: Revision ID: Item Name:	D3294-1 Bracket			Accept	*N900	04 0	100)*	Setup	Start Stop	1/1	S1* S2*	
Start Date: Required Date: Reference:	17/10/2011 : 28/10/2011	Start Qty: 10.00 Req'd Qty: 10.00	*10* *10*		Cust Item I Customer:	D:					1.4	. 17	
Approvals:	Process Pla	ın:	Date:	Tooling:	Da	ate:			Run	Start	*N	R1*	
	QC:		Date:	SPC (Y/N):	Da	nte:				Stop	*N	R2*	
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accep Qty	t Re Qt		Reject Number	Insp. Stamp	
*1 A \ * QC Quality Control		QC5- Inspect part comple Memo	eteness to step on W/O	0.00 ulis	int		(Plo)_				
190 *100* Powdercoat Powder Coating	15128	Black Sandtex(Ref:4.3.5. Memo Start Time: Oven Temper Finish Time:	4-00	0.00			10	OX _Q	11	M	Lili	12/14	
200		QC3- Inspect Part Finish	-1	0.00					110	1	•		
200		Memo		0.00				10_		1/2	12/6	5	

	•									1					
W/O:			WORK ORDER CHANGES												
DATE	STEP	PR	OCEDURE CHAP	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
							-								
Resol		PAR #:													
		solution:	Disposition	l:	QA:	N/C Clo	sed:		Date:						
NCR:			WORK ORDE	R NON-CONFORM	ANCE	(NCR))								
DATE	STEP	Description of NC			tion B	0: 0	Verific	ation	Approval	Approval					
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		& Section C		Chief Eng	QC Inspector					
								·							
										·					

Work Order ID 75075 October-17-11 10:49:35 AM				*75075*						,	Page 5	
Item ID: Revision ID: Item Name:	D3294-1 Bracket			Accept	*N9000	740	10	ገ*	Setup	Start Stop		S1* S2*
Start Date: Required Date: Reference:	17/10/2011 28/10/2011	Start Qty: 10.00 Req'd Qty: 10.00	*10* *10*		Cust Item ID Customer:):						
Approvals:	Process Pla	in:	Date:	Tooling: _ SPC (Y/N):	Dat				Run	Start Stop		R1* R2*
Sequence ID/ Work Center II)	Operation Description Identify as per dwg & Sto	ck Location:2/2	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rej		Reject Number	Insp. Stamp
210 Packaging Packaging		Мето		0.00					4	[2]	20	
220 * 27 0*		QC21- Final Inspection -	Work Order Release	0.00						И	/12	20/2
QC		Memo		0.00								

PH-12-20

W/O:	-		V	VORK ORDER CHANG	GES					•
DATE	STEP	PRO	OCEDURE CH		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
		•								
							· · · · · · · · · · · · · · · · · · ·			
Part No			Fault Category: N							
	R	esolution:	Disposit	ion:	QA:	N/C Clo	sed:		Date:	
NCR:			WORK OR	DER NON-CONFORM	ANCE	(NCR))			
DATE	STEP	Description of NC		ction B	0: 0	Verific	ation	Approval	Approval	
DAIL	SILF	Section A	initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector
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	-									
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Picklist Print

October-17-11 10:49:40 AM

Work Order ID: 75075

75075

Parent Item:

D3294-1

D3294-1

Parent Item Name: Bracket

Start Date: 17/10/2011

Required Date: 28/10/2011

Start Qty: 10.00

Required Qty: 10.00

Comments:

JPP A04.08.24New issueKJ/JLM

IPP Rev:B Now On Waterjet 07-03-26 JLM

IPP Rev:C 08-07-16 Redesign part DD verified by:EC IPP Rev:D 08-10-06 revB as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	**	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Statu Issued
M2024T3S.080		Purchased	d	No		, ,	100	sf	245.3000	1.8	18.94737		
M2024T3 2024-T3 .080 sheet	3S 080				•					**	BI	(-10-9	16
		***			Locatio	<u>on</u>	Loc	<u>Oty</u>	Loc Code				
					MAT02	2 5		245.3					(10)
						105411		6				` `	
					``	109424		4		· <u> </u>			
						110347		0.5		· ` _			
* -						112331 113796		3 7					_
		*,4		*1		114025		15.7		-			
		•	, 24			116604		5.8		-			
						117392		40.1		_		*	•
						118180		67.2		,	·	•	
						119117		96			9117		1 1
D3294-5		Manufact	ured	No)	. `	170	Each	1.0000	. 1	10	//	
D3294-5	f				, <u>"</u> w		, ~)			**		3 4	1/12/14
				•.	<u>Locatio</u> GA	<u>n</u>	Loc	Oty 1	Loc Code			/ / 	201574/6
				•	0/1	69525		1		: · -	1	15	trua (

W/O:			WC	ORK ORDER CHANG	ES					1
DATE	STEP	PRO	PROCEDURE CHANGE					Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
-										
,										
Part No	:	PAR #:	Fault Cate	gory:	_ NC	R: Yes	No DQ	A :	_ Date: _	
	R	esolution:	Dispositio	n:	_ QA	N/C CI	osed:		Date: _	
NCR:		•	WORK ORD	ER NON-CONFORMA	ANCE	(NCR)			
DATE	STEP	Description of NC	J	Corrective Action Section	on B		Verific	Approval		
	5111	Section A	Initial Chief Eng	Action Description Chief Eng	tion Sign & Date		Jechonic		Chief Eng	QC Inspector
					,					
	 									
	-									

Picklist Print

Work Order ID: 75075

October-17-11 10:49:40 AM

75075

Parent Item:

D3294-1

D3294-1

Parent Item Name: Bracket

Start Date: 17/10/2011

Required Date: 28/10/2011

Page 2

Start Qty: 10.00

Required Qty: 10.00

Purchased

No

170

Each

2,424.000

15

Location Loc Qty ST319

116893

118405

2424 68 2356 Loc Code

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October-17-11 10:49:40 AM

Shop Packet Print

Page 2

W/O:		444	W	ORK ORDER CH	IANGES			_		,
DATE	STEP	PRO	PROCEDURE CHANGE					Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				···						
Part No	:	PAR #:	_ Fault Cate	egory:	NC	R: Yes	No DQ	A:	_ Date: _	
	R	esolution:	_ Disposition	on:	QA	: N/C Cld	sed:		Date: _	
NCR:		W	ORK ORD	ER NON-CONF	ORMANCE	(NCR)			
DATE	STEP	Description of NC		Corrective Action	Section B	Ciara 0	Verific		Approval	Approval
	5.2	Section A	Initial Chief Eng	Action Descri Chief Eng	ption 	Sign & Date	Secti	on C	Chief Eng	QC Inspector
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DART AEROSPACE LTD	Work Order:	75075
Description: Bracket Assembly	Part Number:	D3294-1
Inspection Dwg: D3294 Rev: C		Page 1 of 1

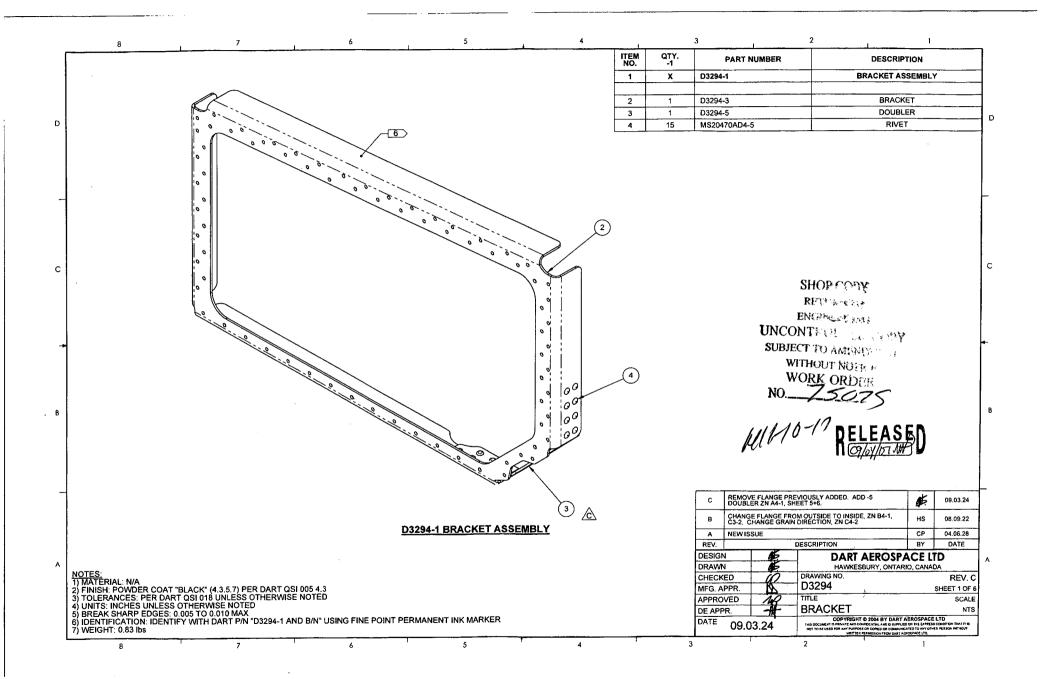
FIRST ARTICLE INSPECTION CHECKLIST

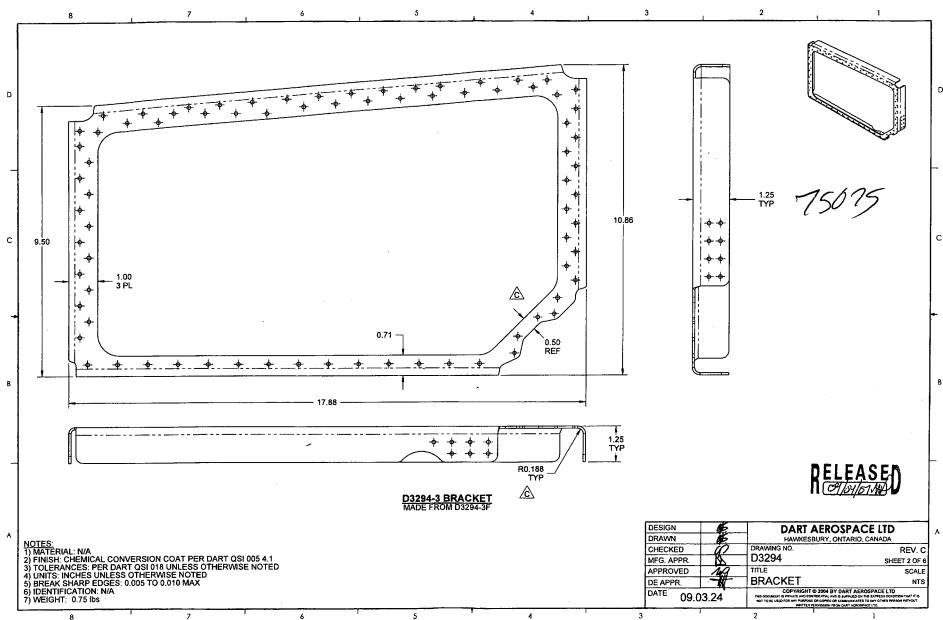
X First Article Prototype

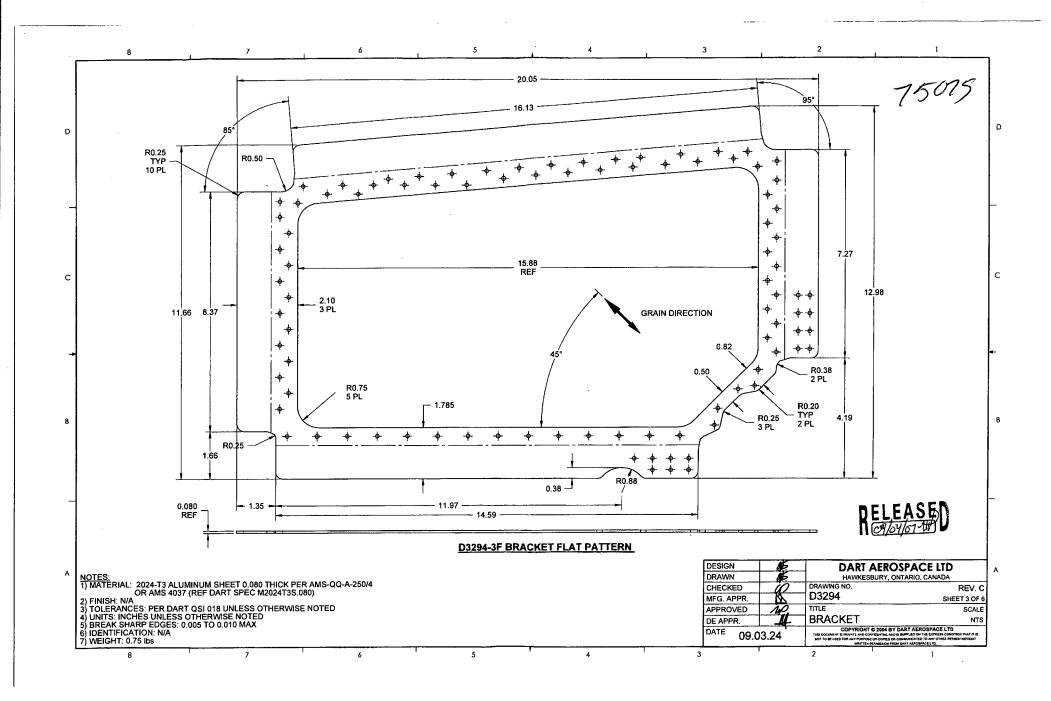
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.129	+0.005/-0.001	,136	٦		V 1802	
Ø0.141	+0.005/-0.001	,141	<i>></i>		V	
6.708	+/-0.010	6.713	عد		V	
1.118	+/-0.010	1.119	4		V	
5.590	+/-0.010	5,593	>		V	
1.118	+/-0.010	1.115	1-		1/	
13.563	+/-0.010	13,563	2		T RUI	
1.043	+/-0.010	1,040	7		V	
0.625	+/-0.010	,624	7		V	
0.325	+/-0.010	,324	4		i/	-
0.300	+/-0.010	-301	> _		ĬV	
0.400	+/-0.010	(400	>		V	
6.000	+/-0.010	6003	2		V	
1.000	+/-0.010	1.004	>-		V	
17.124	+/-0.010	17.124	1		T	
16.13	+/-0.030	110.13	2		+	
7.27	+/-0.030	7,273	×		P	
11.97	+/-0.030	11,57	12		P	
8.37	+/-0.030	8 ,372	8		8	
20.05	+/-0.030	20.05	\		7	
12.98	+/-0.030	17.90	V		7	-
14.59	+/-0.030	14,59	>		1	
11.66	+/-0.030	11.106	Tx		P	
0.080	+/-0.010	180,	ੱ ਲ		V	7. 1

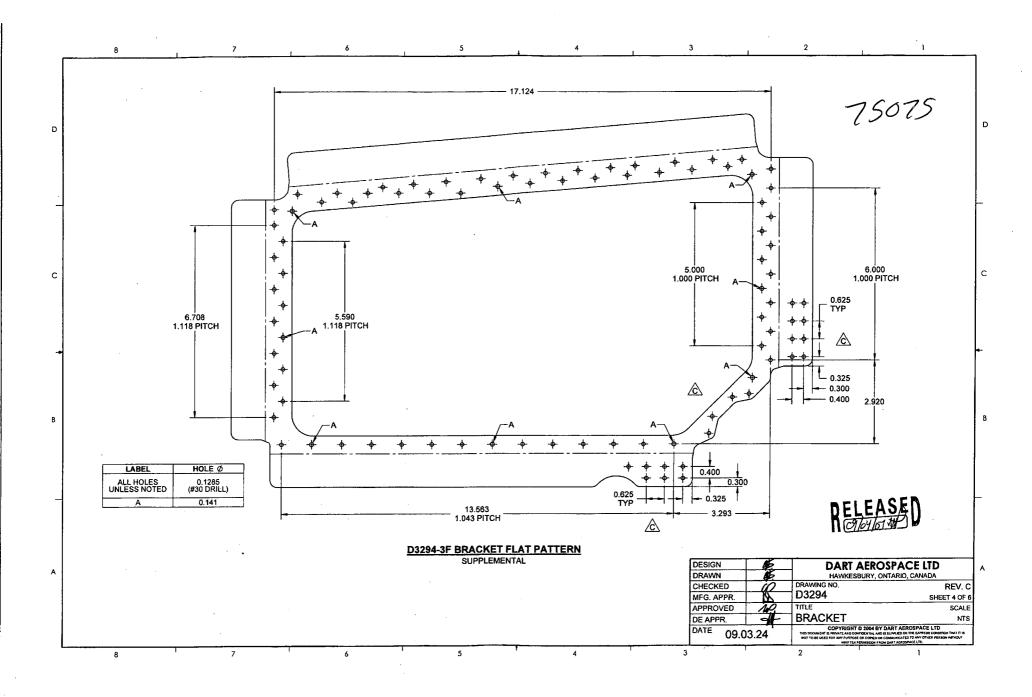
Measured by: B	Audited by:	Prototype Approval:	N/A
Date: 11-10 -2(Date: alcolass	Date:	N/A

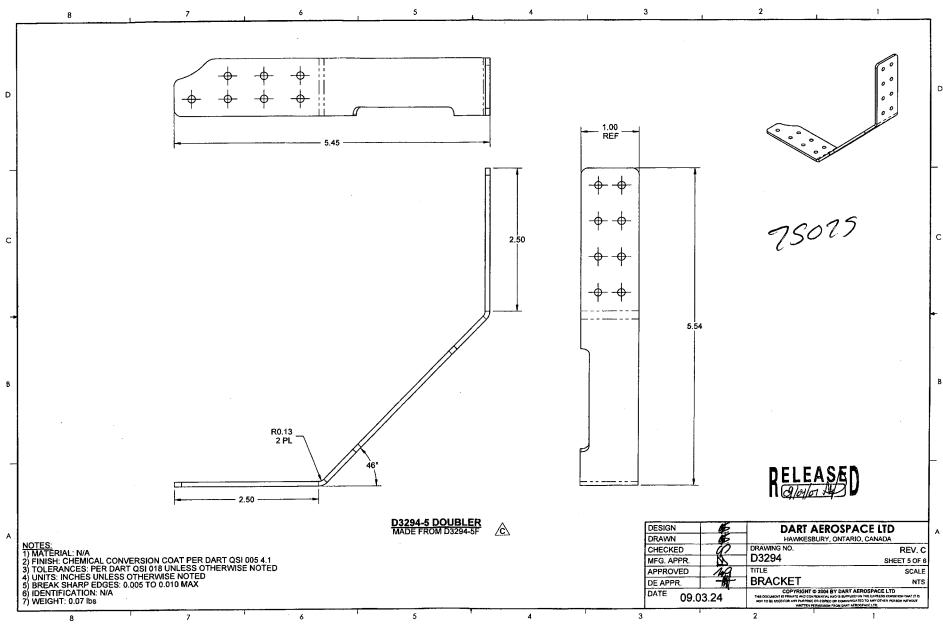
Date	Change	Revised by	Approved
04.08.24	New Issue	KJ/JLM	
06.03.09	Dimension 12.97 was 13.03	KJ/JLM	
08.11.27	Dimensions updated per Dwg Rev B	KJ/EC	
09.07.29	Dimension 2.100 was 2.072	KJ 1A	44
09.09.14	Dimensions updated per Dwg Rev C	KJ 98	120
	04.08.24 06.03.09 08.11.27 09.07.29	04.08.24 New Issue 06.03.09 Dimension 12.97 was 13.03 08.11.27 Dimensions updated per Dwg Rev B	04.08.24 New Issue KJ/JLM 06.03.09 Dimension 12.97 was 13.03 KJ/JLM 08.11.27 Dimensions updated per Dwg Rev B KJ/EC 09.07.29 Dimension 2.100 was 2.072 KJ











D 0.625 TYP ─ R0.25 - 0.30 Ø0.129 15 PL - 0.300 R0.88 GRAIN DIRECTION 0.400 1.00 0.65 С R0.13 2 PL 0.15 0.30 R0.13 - 0.53 - 4 PL TYP - 2.50 3.36 9,21 0.080 REF D3294-5F DOUBLER FLAT PATTERN &

NOTES:
1) MATERIAL: 2024-T3 ALUMINUM SHEET 0.080 THICK PER AMS-QQ-A-250/4
OR AMS 4037 (REF DART SPEC M2024T3S.080)
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.07 lbs

DESIGN		DART AEROSPACE LTD				
DRAWN	A 5	HAWKESBURY, ON	TARIO, CANADA			
CHECKED	a	DRAWING NO.	REV. C			
MFG. APPR.	100	D3294	SHEET 6 OF 6			
APPROVED	14	TITLE	SCALE			
DE APPR.	-4	BRACKET	NTS			
DATE 09.0	3.24	COPYRIGHT © 2004 BY D THIS DOCUMENT IS PRIVATE AND CONTRIBUTION, AND IS NOT TO BE USED FOR ANY PURPOSE OF COPYED OR OF WRITTEN FRANKSHIP FOR MANUEL FRANKSHIP FRANKSHIP FRANKSHIP FRANKSHIP FRANKSHIP FRANKSHIP FRANKSHIP FRANKSHIP FRANKSHIP FR	SUPPLIED ON THE EXPRESS CONDITION THAT IT IS MINIMINICATED TO ANY OTHER PERSON WITHOUT			

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